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SEQUENCE LISTING

<110> GILCHRIST, ANNETTE
HAMM, HEIDI

<120> METHOD FOR IDENTIFYING MODULATORS OF G PROTEIN COUPLED RECEPTOR
SIGNALING

<130> 2661-101

<140> US 09/852910

<141> 2001-05-11

<150> US 60/275472

<151> 2001-03-14

<160> 271

<170> PatentIn version 3.2

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<213> Xenopus laevis

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<213> *Caenorhabditis elegans*

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<213> *Xenopus laevis*

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<213> *Canis familiaris*

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<213> Drosophila melanogaster

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<213> Xenopus laevis

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Asp Glu Ser Met Arg Arg Ser Arg Glu Gly Thr
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<213> Calliphora vicina

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Met Gln Asn Ala Leu Lys Glu Phe Asn Leu Gly
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Thr Gln Cys Val Met Lys Ala Gly Leu Tyr Ser
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Leu Gln Glu Asn Leu Lys Glu Met Met Leu Gln
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Leu Glu Glu Asn Leu Lys Tyr Arg Met Leu Asp
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<210> 227

<211> 11

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Leu Gln Glu Asp Leu Lys Gly Met Thr Leu Gln
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<210> 228

<211> 11

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Leu Gln Glu Thr Met Lys Asp Gln Ser Leu Gln
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<210> 229

<211> 11

<212> PRT

<213> Artificial Sequence

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<223> G12 library peptide

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Pro Gln Val Asn Leu Lys Ser Ile Met Arg Gln
1 5 10

<210> 230

<211> 11

<212> PRT
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<400> 230

Trp Gln His Lys Leu Ser Glu Val Met Leu Gln
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<210> 231
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<400> 231

Leu Lys Glu His Leu Met Glu Arg Met Leu Gln
1 5 10

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Leu Leu Gly Met Leu Glu Pro Leu Met Glu Gln
1 5 10

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<400> 233

Leu Gln Asp Asn Leu Lys Gln Leu Met Leu Gln

1 5 10

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<400> 234

Leu Gln Asp Asn Leu Arg His Leu Met Leu Gln
1 5 10

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Leu Gln Asp Lys Ile Asn His Leu Met Leu Gln
1 5 10

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Leu Gln Ala Asn Arg Lys Leu Gly Met Leu Gln
1 5 10

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Leu Ile Val Lys Val Lys Gln Leu Ile Trp Gln
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Met Arg Ala Lys Leu Asn Asn Leu Met Leu Glu
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Leu Gln Asp Asn Leu Arg His Leu Ile Gln
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Leu Gln Asp Asn Arg Asn Gln Leu Leu Phe
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Leu Gln Leu Asn Arg Lys Asn Tyr Asn Leu Val
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Leu Gln Leu Asp Leu Lys Glu Ser Asn Met Val
1 5 10

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Leu Gln Leu Asn Leu Lys Lys Tyr Asn Arg Val
1 5 10

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Leu Gln Leu Arg Val Lys Glu Tyr Lys Arg Gly

1 5 10

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Leu Gln Ile Tyr Leu Lys Gly Tyr Asn Leu Val
1 5 10

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Leu Gln Tyr Asn Leu Lys Glu Ser Phe Val Val
1 5 10

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Leu Gln Arg Asp His Val Glu Tyr Lys Leu Phe
1 5 10

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Leu Val Ile Lys Pro Lys Glu Phe Asn Leu Val
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Ile Gln Leu Asn Leu Lys Asn Tyr Asn Ile Val
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Met Gln Leu Asn Leu Lys Glu Tyr Asn Leu Val
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Val Gln Val Lys Leu Lys Glu Tyr Asn Leu Val
1 5 10

<210> 252

<211> 11

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Gln Leu Leu Asn Gln Tyr Val Tyr Asn Leu Val
1 5 10

<210> 253
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<400> 253

Trp Arg Leu Ser Leu Lys Val Tyr Asn Leu Val
1 5 10

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<400> 254

Leu Gln Arg Asn Lys Asn Gln Tyr Asn Leu Gly
1 5 10

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<400> 255

Leu Tyr Leu Asp Leu Lys Glu Tyr Cys Leu Phe

1 5 10

<210> 256
<211> 11
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<400> 256

Ser Ala Lys Glu Leu Asp Gln Tyr Asn Leu Gly
1 5 10

<210> 257
<211> 11
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<400> 257

Leu Phe Leu Asn Leu Lys Glu Tyr Ser Leu Val
1 5 10

<210> 258
<211> 11
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<400> 258

Leu Glu Leu Asn Leu Lys Val Tyr Asn Leu Val
1 5 10

<210> 259
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<400> 259

Leu Pro Leu Asn Leu Ile Asp Phe Ser Leu Met
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<210> 260

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Leu Pro Arg Asn Leu Lys Glu Tyr Asp Leu Gly
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<211> 11

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Leu Arg Leu Asn Asp Ile Glu Ala Leu Leu Val
1 5 10

<210> 262

<211> 11

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<213> Artificial Sequence

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<223> G11 library peptide

<400> 262

Leu Val Leu Asn Arg Ile Glu Tyr Asn Leu Leu
1 5 10

<210> 263

<211> 11

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Leu Lys Arg Lys Leu Lys Glu Ser Asn Met Gly
1 5 10

<210> 264
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<400> 264

Leu Lys Arg Lys Val Lys Glu Tyr Asn Leu Gly
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gaaaatcttc tctcatccg

19

<210> 266
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<400> 266

Ile Leu Glu Asn Leu Lys Asp Cys Gly Leu Leu
1 5 10

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<400> 267
gccgccacc

9

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57

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57

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19

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<212> DNA
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<220>
<223> reverse primer for G alpha carboxyl terminal peptide insert

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gcgaaaggag cggggcgcta

20